

UNITED STATES PATENT AND TRADEMARK OFFICE  
**CERTIFICATE OF CORRECTION**

PATENT NO. : 6,455,673 B1  
DATED : September 24, 2002  
INVENTOR(S) : Dr. R. John Collier and Dr. R. John Collier

Page 1 of 1

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Column 1.

Line 1, please add the following paragraph:

-- This invention was made at least in part with funding from the U.S. government (NIH grant A1 2002). The government has certain rights in this invention. --

Column 5.

Line 29, please delete "SEQ ID NO:8" and replace it with -- SEQ ID NO:7 --.

Line 30, please delete "SEQ ID NO:9" and replace it with -- SEQ ID NO:8 --.

Line 33, before the word "and" please add -- SEQ ID NO:9 --.

Line 51, please delete "5 L" and replace it with -- 5L --.

Column 7.

Lines 25, 27 and 28, please underline the text "trp".

Line 31, please underline the text "rrn".


Column 20.

Line 45, please delete "Glu148Ser" and replace it with -- Glu148Ser --.

Line 46, please delete "Glu349Lys" and replace it with -- Glu349Lys --.

Signed and Sealed this

Twelfth Day of August, 2003



JAMES E. ROGAN  
*Director of the United States Patent and Trademark Office*

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DATED : September 24, 2002  
INVENTOR(S) : Dr. R. John Collier

Page 1 of 1

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Column 1,

Line 1, please amend the paragraph as follows:

-- This invention was made at least in part with funding from the U.S. government (NIH grant AI 22021). The government has certain rights in this invention. --

Signed and Sealed this

Fourth Day of November, 2003

A handwritten signature in black ink, appearing to read "James E. Rogan", with a horizontal line drawn underneath it.

JAMES E. ROGAN  
*Director of the United States Patent and Trademark Office*

UNITED STATES PATENT AND TRADEMARK OFFICE  
**CERTIFICATE OF CORRECTION**

PATENT NO. : 5,770,203  
DATED : June 23, 1998  
INVENTOR(S) : W. Neal Burnette and Harvey R. Kaslow

Page 1 of 1

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Column 1,

Line 9, prior to "Background of the Invention", insert the following statement:

**— This invention was made in part with Government support under NIH Grant No. 2 RO1-AI 2432000651. The Government may have certain rights in the invention. —**

Signed and Sealed this

Second Day of October, 2001

Attest:

*Nicholas P. Godici*

Attesting Officer

NICHOLAS P. GODICI  
Acting Director of the United States Patent and Trademark Office

**UNITED STATES PATENT AND TRADEMARK OFFICE**  
**CERTIFICATE OF CORRECTION**

PATENT NO. : 5,770,203

Page 1 of 3

DATED : JUNE 23, 1998

INVENTOR(S) : BURNETTE, et al.

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Column 1, line 9, prior to Background of the Invention, Insert the following statement:

-- This invention was made in part with Government support under NIH Grant No. 2 RO1-AI2432000651. The Government may have certain rights in the invention.--

Signed and Sealed this  
Eleventh Day of April, 2000

Attest:



Q. TODD DICKINSON

Attesting Officer

Director of Patents and Trademarks

**UNITED STATES PATENT AND TRADEMARK OFFICE**  
**CERTIFICATE OF CORRECTION**

PATENT NO. : 5,770,203

Page 2 of 3

DATED : June 23, 1998

INVENTOR(S) : W. Neal Burnette and Harvey R. Kaslow

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Column 2, Line 29: Change "Figure 1A" to -- Figure 1A-1A-3 --  
Column 2, Line 29: Insert -- sequence -- before "(SEQ ID NO: 1)", delete "sequencer"  
Column 2, Line 41: Change "Figure 1B" to -- Figure 1B-1B-1 --  
Column 3, Line 55: Change "Panel A" to -- Figure 4A --  
Column 3, Line 65: Change "Panel" to -- Figure --  
Column 4, Line 2: Change "Panel" to -- Figure --  
Column 4, Line 11: Change "FIGS. 4A-4C" to -- Figure 4 --  
Column 4, Line 13: Change "FIGS. 6A&6B" to -- Figure 6 --  
Column 4, Line 16: Change "(Panel A)" to --(Figure 5A) --  
Column 4, Line 16: Change "Panel 5A" to -- Figure 5A --  
Column 4, Line 18: Change "Figure 4, Panel A" to -- Figure 4A --  
Column 4, Line 21: Change "(Panel 5B)" to -- (Figure 5B) --  
Column 4, Line 23: Change "(Panel 5C)" to -- (Figure 5C) --  
Column 4, Line 32: Change "Panel 6A" to --Figure 6A--.  
Column 4, Line 33: Change "Panel 6B" to --Figure 6B--.  
Column 4, Line 64: Change "1A" to -- 1A-1C --  
Column 8, Line 57: Change "1 and 2" to -- 1A-1A-3 and 2 --  
Column 9, Line 52: Change "CTXA and CXTA" to -- CXTA and CXTA1 --  
Column 11, Line 50: Change "/L<sup>7</sup>/" to -- /L7/ --  
Column 11, Line 51: Change "/L<sup>7</sup>/" to -- /L7/ --  
Column 11, Line 62: Insert -- were -- before "synthesized"  
Column 12, Line 6: Insert -- Glu -- after "→" (2nd occurrence).  
Column 12, Line 13: Change "18<sup>7</sup>" to -- 187 --  
Column 13, Line 32: Change "Arg146" to -- Arg<sup>146</sup> --  
Column 14, Line 24: Change "Analoa" to -- Analog --  
Column 16, Lines 13-14: Change "Figs. 4, 5 and 6" to -- Figs. 4A-4C, 5A-5C and 6A-6B --

**UNITED STATES PATENT AND TRADEMARK OFFICE**  
**CERTIFICATE OF CORRECTION**

**PATENT NO. : 5,770,203**

**DATED : June 23, 1998**

Page 3 of 3

**INVENTOR(S) : W. Neal Burnette and Harvey R. Kaslow**

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Column 17, Line 1: Change "Figure 4" to -- Figure 4A-4C --  
Column 17, Line 1: Change "(Panel A)" to -- (Figure 4A) --  
Column 17, Line 8: Change "Panel B" to -- Figure 4B --  
Column 17, Line 11: Change "Panel C" to -- Figure 4C --  
Column 17, Line 14: Change "Figure 4, Panel C" to -- Figure 4C --  
Column 17, Line 14: Change "Panel B" to -- Figure 4B --  
Column 17, Line 30: Change "Figure 4" to -- Figure 4A-4C --  
Column 17, Lines 32-33: Change "(Figure 4, Panel C)" to -- (Figure 4C) --  
Column 17, Line 44: Change "(FIG. 4, Panel A) to --(Figure 4A)--.  
Column 17, Line 46: Change "a" to --  $\alpha$  --  
Column 17, Line 63: Change "Lsy" to -- Lys --  
Column 17, Line 64: Change "Glu112" to -- Glu<sup>112</sup> --  
Column 17, Lines 66: Change "(Figure 4, Panel B)" to -- (Figure 4B) --  
Column 18, Line 21: Change "(Panel C)" to -- (Figure 4C) --  
Column 18, Line 24: Change "Figure 5" to -- Figure 5A-5C --  
Column 18, Line 32: Change "Figure 6" to -- Figure 6A-6B --  
Column 18, Line 33: Change "(Panel A)" to -- (Figure 5A) --  
Column 18, Line 36: Change "(Panel B)" to -- (Figure 5B) --